

**PATENT**  
**Attorney Docket No. FOM-139.02**

In re Application of: Champion et al.  
Application No: Not Yet Assigned  
Filed: Herewith  
For: Determining Levels of Substances  
Using Multistatic Probes

Art Unit: Not Yet Assigned  
Examiner: Not Yet Assigned

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed:

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office Action** on the merits, or before the mailing of a **first Office Action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**

- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.


### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully Submitted,  
Foley Hoag LLP

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Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
*(Use several sheets if necessary)*

Docket Number (Optional)

FOM-139.02

Application Number

Not Yet Assigned

Applicant  
Champion et al.Filing Date  
HerewithGroup Art Unit  
Not Yet Assigned**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,609,059	03/11/97	McEwan	73	290	12/19/94
	A2	6,216,540 B1	04/17/01	Nelson et al.	73	633	12/10/96
	A3	6,229,476 B1	05/08/01	Lütke et al.	342	124	11/22/99
	A4	6,250,601 B1	06/26/01	Kolar et al.	251	129.04	07/17/98
	A5	6,373,261 B1	04/16/02	Kielb et al.	324	644	10/12/99
	A6	6,377,201 B1	04/23/02	Chu	342	22	06/03/98
	A7	6,477,474 B2	11/05/02	Diede	702	57	01/21/99

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS***(Including Author, Title, Date, Pertinent Pages Etc.)*

	C1	"Section 3: Ground Penetrating Radar" 4-GPR, <a href="http://sfu.ca/earth-sciences/courses/307/4-gpr.htm">http://sfu.ca/earth-sciences/courses/307/4-gpr.htm</a> , printed March 24, 2003, pp. 1-47
	C2	"Project Minitest Final Report" Work completed under Contract AA 501031 (DG INFSO) and JRC FPV Institutional, Issued September 10, 2001, 25 pages
	C3	Case Study, "Fluid Level Sensing by Time Domain Reflectometry", Arthur D. Little, Cambridge Consultants, 1 pg.

EXAMINER		DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE